

Title (en)  
FOUR-WHEEL STEERING CONTROL SYSTEM FOR VEHICLE

Publication  
**EP 0150858 B1 19881117 (EN)**

Application  
**EP 85101023 A 19850131**

Priority  
JP 1534284 A 19840131

Abstract (en)  
[origin: US4705131A] A vehicle steering control system for steering both front and rear wheels is so arranged that a transfer function between a driver's steering input and a front wheel steering angle, and a transfer function between the steering input and a rear wheel steering angle are differentiated from each other so as to obtain an optimum cornering characteristic of the vehicle. The system has a steering input sensor, a vehicle speed sensor, means for determining the transfer function for the front wheels from a steering frequency and a vehicle speed, means for determining the transfer function of the rear wheels, a front wheel actuator for steering the front wheels, and a rear wheel actuator for steering the rear wheels. The means for determining the transfer function of the rear wheels may be an electronic circuit, or a hydraulic fluid flow restrictor such as an orifice, or a mechanical gearing.

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IPC 8 full level  
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Cited by  
EP0249967A3; EP0254248A1; EP0316002A3; EP0199347A1; US4700960A; US5143400A; EP0338202A3; FR2604680A1; US4720790A; EP0165706B1

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